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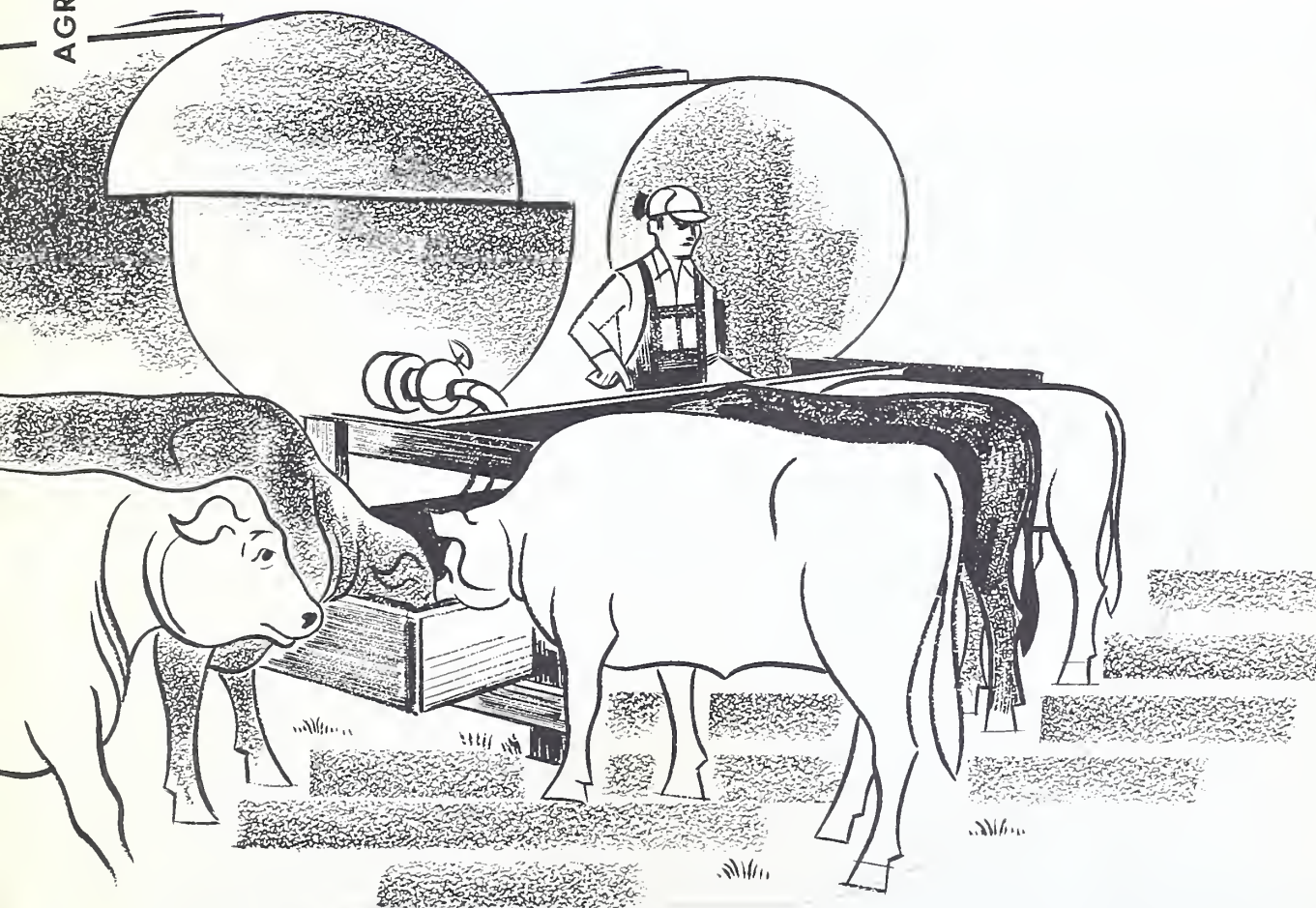
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# X Molasses

## MARKET NEWS



# ANNUAL SUMMARY, 1963 X

AMS-79 (1963)

# INDEX OF CHARTS AND TABLES

	<u>Page</u>
Molasses price trends at New Orleans, 1958-63 (chart) .....	4
Blackstrap molasses prices by months, f.o.b. tank car, 1959-63:	
New Orleans, Houston-Beaumont, Corpus Christi, El Paso, Phoenix .....	6
Mobile, Florida, Savannah-Wilmington, Baltimore-Norfolk, Philadelphia ...	7
New York, Boston, Albany, Buffalo, Toledo .....	8
Cincinnati, Minneapolis, Chicago, St. Louis, Kansas City .....	9
Omaha, Memphis, Denver, Los Angeles, Richmond .....	10
Stockton, Portland-Seattle .....	11
Beet molasses prices by months, f.o.b. tank car, 1959-63:	
Denver, Colorado, Wyoming, Montana, Oregon, Utah, Idaho, Minneapolis ....	12
Citrus and hydrol molasses prices by months, f.o.b. tank car, 1959-63:	
Florida, Chicago, Kansas City .....	13
Price comparisons between molasses and No. 2 yellow corn at New York, Chicago and Kansas City, 1954-63 .....	14
Molasses supply by major sources, 1956-63 (chart) .....	15
U. S. molasses production, inshipments, imports and exports, 1952-63 .....	16
Molasses production, exports and shipments to the United States from principal supply areas, 1947-63 .....	19
U. S. molasses imports by country of origin, 1959-63 .....	20
U. S. molasses exports by country of destination, 1959-63 .....	20
U. S. molasses imports by customs districts, 1959-63 .....	21
U. S. molasses exports by customs districts, 1959-63 .....	21
U. S. molasses utilization, 1952-63 .....	22
Molasses used in the production of alcohol and distilled spirits by months, 1959-63 .....	23

## MOLASSES MARKET NEWS - ANNUAL SUMMARY

### HIGHLIGHTS OF 1963

Feed and industrial molasses prices averaged higher in 1963 than in 1962. A downturn late in the year, however, dropped the closing level of cane molasses prices at many major terminals below the year's opening level. The relationship between molasses and corn prices favored corn again in 1963. Supplies of molasses available for feed and industrial use totaled 636 million gallons--the third largest supply on record. Domestic molasses production reached an all-time high of 290 million gallons and exceeded imports for the first time on record. Imports of molasses into the United States--although 2 percent larger than in 1962--continued well below average. U. S. molasses exports increased sharply but remained relatively small. Molasses used in the production of yeast, citric acid, vinegar, pharmaceuticals, and edible molasses was much greater than in 1962. Distillation usage, however, continued to decline. The quantity of molasses available for livestock feed was about 35 million gallons larger than a year earlier.

### PRICES

#### Cane Molasses

Supplies of cane molasses were tight, and prices advanced sharply during January and the first half of February 1963. The shortage of beet molasses in Europe created strong competition in other parts of the world for molasses normally destined for the United States. Prices weakened the last half of February, however, when the molasses-corn relationship strongly favored corn and some distributors lowered molasses prices in an effort to stimulate sales. Demand for molasses improved at the lower price levels. This, together with tight holding policy kept prices relatively stable during March and April.

Cane molasses prices turned upward in May and June, largely as a result of higher replacement costs. Demand slowed, as feed trade consumption dropped off with the availability of spring pastures. Prices held generally steady during the summer and early fall. Ample supplies of grass and feed grains held molasses usage at seasonally low levels throughout most of the country. Although the supply was still tightly held, there was enough molasses on hand in most areas to satisfy trade needs. Demand, particularly from cattle feeders and feed manufacturers in critically dry sections of the country, improved slightly in September.

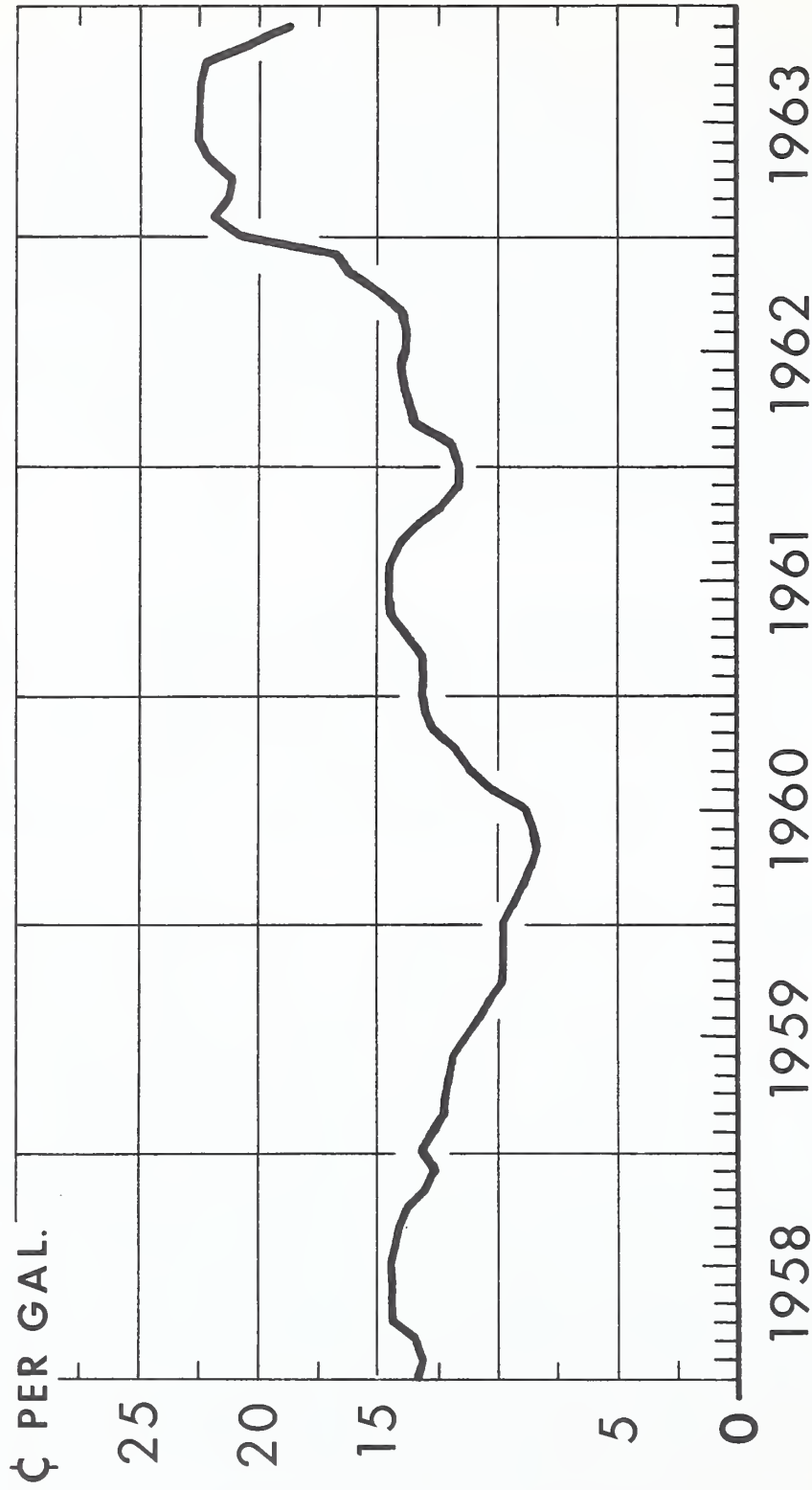
While some inquiries and contracts for new-crop molasses were reported in Florida and Louisiana late in July, it was not until early October that nearness of the new crop had any weakening influence on prices. Even then, weakness was tempered by reports of storm damage to cane crops in Haiti and Cuba. Prices started dropping about the middle of October when new-crop cane grinding got underway in Louisiana. Unseasonably warm weather and lagging sales of all mixed feeds further slowed demand for molasses and created downward pressure on prices, especially in the Gulf area and at most Mississippi River terminals.

The lower price trend spread to all other markets early in November when new-crop molasses production got underway in Florida. At the same time, output



# MOLASSES PRICES

## F.O.B. Tank Car, New Orleans



U. S. DEPARTMENT OF AGRICULTURE

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FIGURE 1

was heavy in Louisiana, and producers had difficulty finding adequate storage and transportation facilities. Arrangements for additional storage facilities about the middle of November had a stabilizing influence. However, this was not sufficient to overcome the weakening influence of slow demand from the feed trade. Molasses production remained heavy the final month of the year, but feed trade usage was only slightly improved by the advent of colder weather. Consequently, prices continued downward through December.

The average price of cane molasses at New Orleans in 1963 was 7.4 cents per gallon higher than in 1962. It also was the highest annual average price at that market for any year since 1951. Cane molasses prices at the other 26 principal terminal markets throughout the country--reflecting the trend at New Orleans--averaged nearly 7 cents per gallon higher than in 1962. Annual average prices at most of these markets stood at the highest points in 6 or more years.

Although annual average prices of cane molasses were higher in 1963, December's average prices were 1-1 1/4 cents per gallon below January's average prices in the Gulf area, about 3/4 cent lower on the East Coast, 3/4-1 1/4 cents lower in the Northeast, and around 1-1 3/4 cents lower at most midwest terminals. However, December average prices were 1/4-1 cent above January 1963 in the Southeast and about 2-2 2/3 cents higher in the West.

#### Beet Molasses

Prices of beet molasses in the three principal market areas also advanced sharply in 1963 despite the largest supplies on record. Beet molasses sold steady the first 3 months of the year in the Denver area, but turned upward the next 5 months--advancing \$7.00 per ton from April through August--before once again resuming a steady trend which held through December.

In contrast, beet molasses held steady from January through July in the Colorado-Wyoming-Montana and Oregon-Utah-Idaho-Missoula, Montana areas. This reflects the general practice in these areas of selling most beet molasses on seasonal or yearly contracts. Also, the cost of transporting cane molasses into these areas provides a competitive advantage to beet molasses. Prices advanced \$8.00 per ton in the Colorado-Wyoming-Montana area during August to November, and held steady in December. The Oregon-Utah-Idaho-Missoula, Montana area registered a \$5.00 per ton advance from August to October, and then held steady the final 2 months of 1963.

#### Citrus Molasses

Prices of citrus molasses advanced steadily from January through November 1963--gaining \$8.75 per ton. A sharp drop in production due to last winter's freeze was the main supporting factor. Prices weakened slightly in December, however, as new-crop production got underway.

#### Corn (Hydrol) Molasses

Prices of corn molasses generally followed the trend of cane and other feeding molasses. While prices averaged sharply higher for 1963, the relatively high prices resulted in less corn molasses being used by the feed trade and more being used for manufacturing purposes. Prices turned upward the first quarter of 1963, weakened slightly in April and May, and then resumed an upward trend through October. Despite a price decline during the final 2 months of 1963, December average prices were around \$6.50 per ton above December 1962.

Table 1.--Molasses, blackstrap: Prices by months, f.o.b. tank car, 1959-63

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Av.
-- Cents per gallon--													
New Orleans													
1959	13.09	12.72	12.19	12.18	12.00	11.83	11.44	10.84	10.15	9.88	9.88	9.88	11.34
1960	9.88	9.47	9.00	8.60	8.45	8.50	8.90	10.23	11.12	11.75	12.62	13.00	10.13
1961	13.10	13.04	13.06	13.75	14.40	14.50	14.50	14.44	14.06	13.28	12.44	12.13	13.56
1962	12.13	12.44	13.38	13.69	13.95	14.00	13.90	13.88	14.00	14.90	16.19	16.83	14.11
1963	20.70	21.81	21.43	21.29	22.12	22.50	22.50	22.50	22.50	22.22	20.25	18.53	21.53
Houston-Beaumont													
1959	12.10	12.30	12.04	12.00	12.00	12.00	12.00	11.60	10.96	10.50	10.50	10.50	11.54
1960	9.49	10.06	10.06	10.06	9.49	9.49	9.49	10.87	11.53	12.30	12.80	13.15	10.73
1961	13.32	13.33	13.35	14.01	14.63	14.52	14.50	14.50	14.13	13.73	13.34	12.95	13.85
1962	12.75	12.89	13.68	14.10	14.35	14.35	14.35	14.35	14.35	15.65	16.44	16.67	14.49
1963	20.60	22.56	22.00	22.00	23.50	23.50	23.50	23.50	23.50	23.05	21.00	19.38	22.34
Corpus Christi													
1959	13.81	13.44	12.87	12.80	12.50	13.30	12.44	11.94	11.30	11.19	11.25	11.25	12.34
1960	11.62	10.31	10.10	10.19	10.00	10.00	10.12	10.90	12.25	12.50	13.20	13.50	11.22
1961	13.90	14.00	14.00	14.19	14.75	14.75	14.75	14.75	14.65	14.30	13.92	13.50	14.29
1962	13.25	13.30	14.18	14.50	14.66	14.70	14.70	14.70	14.70	15.90	16.70	16.87	14.85
1963	20.82	23.00	22.20	22.20	23.17	23.50	23.50	23.50	23.50	23.10	21.12	19.38	22.42
El Paso													
1959	16.00	16.00	16.00	16.00	16.00	16.00	16.00	15.62	15.50	15.50	15.50	14.56	15.72
1960	14.03	13.44	12.28	11.69	11.69	11.69	11.69	11.69	12.90	13.20	13.94	14.33	12.76
1961	14.78	14.90	14.90	14.90	15.26	15.20	14.90	14.90	14.90	14.42	14.30	13.70	14.75
1962	13.70	13.60	14.45	14.90	15.26	15.50	15.50	15.50	15.50	15.98	16.70	17.20	15.32
1963	18.40	19.60	19.60	20.44	21.47	22.05	22.68	23.10	23.10	23.10	22.20	21.05	21.40
Phoenix 1/													
1960	15.50	15.50	15.20	15.20	15.20	15.20	15.34	16.25	16.66	16.74	17.49	17.84	16.01
1961	18.30	18.42	18.42	18.42	18.79	18.71	18.42	18.42	18.40	17.92	17.80	17.22	18.27
1962	17.20	17.35	17.95	18.40	18.76	19.00	19.00	19.00	19.00	19.48	20.20	20.80	18.84
1963	21.94	23.10	23.10	23.90	25.00	25.55	26.24	26.60	26.60	26.60	25.70	24.60	24.91

1/ Price basis: tank truck.



	<u>Mobile</u>									
	1959	1960	1961	1962	1963	12.51	12.84	12.86	11.80	11.20
1959	.....	13.64	13.09	12.84	12.51	12.86	11.80	11.20	10.78	10.50
1960	.....	10.50	10.05	9.47	9.15	8.90	8.87	9.14	11.62	11.93
1961	.....	13.50	13.50	13.50	13.80	14.60	14.70	14.70	14.56	13.70
1962	.....	12.70	12.79	13.75	14.20	14.38	14.50	14.50	14.39	15.30
1963	.....	21.08	23.00	22.00	21.95	22.75	23.00	23.00	22.70	22.50
										20.83
										18.95
										22.06
	<u>Florida</u>									
	1959	1960	1961	1962	1963	14.40	14.50	14.12	13.81	13.28
1959	.....	14.56	14.69	14.50	14.40	14.12	14.00	13.81	12.51	12.11
1960	.....	11.75	11.75	11.53	11.43	11.35	11.35	11.41	12.13	12.49
1961	.....	13.75	14.00	14.00	14.18	14.90	15.00	15.25	15.25	14.95
1962	.....	14.00	14.00	14.36	14.66	14.77	14.85	14.85	14.85	15.22
1963	.....	20.22	22.75	23.00	23.00	23.00	23.50	23.69	23.75	23.70
										22.06
										20.50
										22.72
	<u>Savannah, Ga. - Wilmington, N. C.</u>									
	1959	1960	1961	1962	1963	15.50	15.50	15.19	14.81	13.69
1959	.....	15.35	15.50	15.50	15.50	15.19	15.15	14.81	13.45	12.75
1960	.....	12.55	12.75	12.75	12.75	12.75	12.75	12.75	12.94	13.50
1961	.....	13.75	13.75	13.75	14.44	14.90	15.00	15.00	15.00	15.00
1962	.....	14.75	14.94	15.44	15.63	15.75	15.75	15.75	15.75	16.00
1963	.....	21.25	23.25	24.00	24.00	24.25	24.50	24.50	24.50	24.50
										23.50
										22.19
										23.74
	<u>Baltimore, Md. - Norfolk, Va.</u>									
	1959	1960	1961	1962	1963	15.50	15.50	15.50	15.50	15.50
1959	.....	15.56	15.50	15.50	15.50	15.50	15.50	15.50	15.50	15.50
1960	.....	14.94	13.50	13.50	13.50	13.25	13.25	13.25	13.25	13.25
1961	.....	15.65	15.75	15.75	15.75	15.75	15.50	15.50	15.50	15.50
1962	.....	15.00	15.06	15.38	15.63	15.65	15.50	15.50	15.50	15.90
1963	.....	20.80	22.25	22.00	22.00	22.75	22.75	22.80	23.00	23.00
										21.25
										20.13
										22.14
	<u>Philadelphia</u>									
	1959	1960	1961	1962	1963	15.25	15.25	15.25	15.25	15.25
1959	.....	15.25	15.25	15.25	15.25	15.25	15.25	15.25	15.25	15.25
1960	.....	14.81	13.50	13.45	13.25	13.25	13.25	13.25	13.25	13.25
1961	.....	14.75	14.75	14.75	15.19	15.50	15.50	15.50	15.50	15.40
1962	.....	15.00	15.25	15.50	15.50	15.50	15.31	15.25	15.25	15.40
1963	.....	20.80	21.94	21.63	21.41	22.10	22.25	22.35	22.71	22.95
										21.25
										15.25
										13.80
										15.17
										15.23
										15.44
										16.33
										20.13
										21.84

(Continued on next page)

Table 1 - (Continued).--Molasses, blackstrap: Prices by months, f.o.b. tank car, 1959-63

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Av.
--Cents per gallon--													
New York													
1959	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	15.62	15.25	15.25	15.84
1960	14.81	13.50	13.50	13.50	13.50	13.50	13.50	13.50	13.50	13.50	13.90	14.25	13.70
1961	15.50	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.73
1962	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.87	16.00	15.78
1963	20.80	22.13	22.00	22.00	22.75	22.75	22.80	23.00	23.00	23.00	21.25	20.13	22.13
Boston													
1959	16.50	16.50	16.50	16.50	16.50	16.50	16.50	16.50	16.50	16.50	16.50	16.50	16.50
1960	15.88	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.40	14.75	14.25
1961	16.05	16.25	16.25	16.25	16.25	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.09
1962	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.31	16.83	16.09
1963	21.35	22.63	22.50	22.50	23.81	24.00	24.00	24.00	24.00	24.00	22.00	20.63	22.95
Albany													
1959	16.50	16.50	16.50	16.50	16.50	16.50	16.50	16.50	16.50	16.50	16.50	16.50	16.50
1960	15.88	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.40	14.75	14.25
1961	16.05	16.25	16.12	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.04
1962	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.31	16.33	16.05
1963	21.35	22.63	22.50	22.50	23.81	24.00	24.00	24.00	24.00	24.00	22.00	20.63	22.95
Buffalo													
1959	20.40	20.40	20.40	20.40	20.40	20.40	20.40	20.40	20.40	20.40	20.40	20.40	20.40
1960	19.78	17.90	17.90	16.78	16.40	16.40	16.40	16.40	16.40	16.40	16.80	17.40	17.08
1961	18.98	19.10	19.10	19.10	19.10	19.10	19.10	19.10	19.10	19.10	19.10	19.10	19.09
1962	19.10	19.10	19.10	19.10	19.10	19.10	19.10	19.10	19.10	19.10	19.31	19.48	19.15
1963	24.03	25.24	25.09	24.90	26.30	26.30	26.30	26.30	26.30	26.30	24.46	22.88	25.37
Toledo													
1961	-	-	-	-	-	-	-	-	-	-	-	-	-
1962	19.10	19.10	19.10	19.10	19.10	19.10	19.10	19.10	19.10	19.10	19.10	19.10	19.35
1963	24.41	26.64	26.63	26.74	28.10	28.10	28.10	28.10	28.10	28.10	27.35	25.60	27.16

1959	.....: 18.85	18.35	17.78	17.70	17.70	17.50	17.15	16.48	15.82	15.50	15.50	15.50	16.98
1960	.....: 15.50	15.17	14.72	14.30	14.00	14.00	14.51	15.70	16.70	17.45	18.30	18.73	15.76
1961	.....: 18.73	18.73	18.73	19.50	20.06	20.23	20.23	20.23	19.77	18.92	18.05	17.90	19.24
1962	.....: 17.70	18.23	19.10	19.50	19.70	19.70	19.70	19.70	19.70	20.60	21.82	22.63	19.84
1963	.....: 25.88	27.48	27.20	27.20	26.60	26.00	26.22	26.40	26.40	26.32	25.35	24.00	26.25
<u>Minneapolis</u>													
1959	.....: 20.50	20.13	19.98	19.66	19.60	19.60	19.38	18.40	17.32	17.28	17.50	17.50	18.90
1960	.....: 17.30	16.70	16.33	16.10	15.80	15.80	16.10	16.86	17.48	17.95	18.70	19.30	17.04
1961	.....: 19.30	19.30	19.30	19.90	20.50	20.50	20.50	20.50	20.50	20.14	19.45	19.30	19.93
1962	.....: 19.30	19.30	19.45	19.90	19.90	19.90	19.90	19.90	19.90	20.96	21.75	23.00	20.26
1963	.....: 26.72	29.20	30.40	28.90	28.65	28.90	28.90	28.90	28.90	28.90	28.30	26.75	28.62
<u>Chicago 1/</u>													
1959	.....: 18.44	18.01	17.53	17.40	17.27	17.10	16.63	15.80	15.14	14.85	14.78	14.86	16.48
1960	.....: 14.60	14.00	13.90	13.30	12.77	12.49	12.64	13.87	14.69	15.69	16.60	16.95	14.29
1961	.....: 17.00	16.85	16.85	17.46	18.00	18.43	18.17	17.99	17.62	17.06	16.51	16.15	17.34
1962	.....: 16.04	16.64	17.05	17.30	17.89	17.84	17.80	17.80	17.88	18.70	20.62	21.85	18.12
1963	.....: 25.68	27.13	26.75	26.03	26.25	26.49	26.72	26.75	26.75	26.69	25.89	24.25	26.28
<u>St. Louis</u>													
1959	.....: 17.43	16.93	16.25	16.44	16.20	16.04	15.70	15.00	14.30	14.05	14.20	14.20	15.56
1960	.....: 14.10	13.65	13.22	12.85	12.64	12.70	13.03	14.50	15.03	15.95	16.80	17.20	14.31
1961	.....: 17.20	17.20	17.20	17.88	18.54	18.70	18.70	18.70	18.30	17.64	16.63	16.27	17.75
1962	.....: 16.20	16.53	17.45	17.78	18.00	18.00	18.00	18.00	18.00	19.00	20.12	21.40	18.21
1963	.....: 24.56	26.00	25.50	25.50	26.00	26.35	26.65	26.70	26.67	26.55	25.25	23.47	25.77
<u>Kansas City</u>													
1959	.....: 18.85	18.35	17.93	17.86	17.65	17.66	17.15	16.48	15.96	15.70	15.70	15.70	17.08
1960	.....: 15.65	15.22	14.76	14.35	14.16	14.20	14.53	15.98	16.70	17.58	18.40	18.73	15.86
1961	.....: 18.70	18.70	18.70	19.55	20.20	20.30	20.30	20.23	19.78	18.84	18.23	17.80	19.28
1962	.....: 17.80	18.20	19.10	19.50	19.80	19.80	19.80	19.80	19.58	20.78	21.97	23.03	19.93
1963	.....: 26.13	27.44	27.30	27.30	28.24	28.30	28.30	28.30	28.30	28.04	26.05	24.42	27.34

1/ Price basis: February-March 1960 - barge and rail; May and June 1960 - average tank truck and tank car; July 1960-December 1963 - tank truck.

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Table 1 - (Continued).--Molasses, blackstrap: Prices by months, f.o.b. tank car, 1959-63

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Av.
--Cents per gallon--													
<u>Omaha</u>													
1961	19.00	19.00	19.00	19.37	19.59	19.59	19.59	19.59	20.20	19.96	19.15	19.00	19.42
1962	19.00	19.15	19.30	19.30	19.30	19.30	19.30	19.30	19.30	19.98	21.90	23.10	19.85
1963	25.44	27.00	28.05	28.10	28.40	28.70	28.70	28.70	28.70	28.65	27.98	26.97	27.95
<u>Memphis</u>													
1959	17.03	16.53	16.05	16.06	15.70	15.58	15.03	14.65	13.88	13.65	13.80	13.80	15.14
1960	13.65	13.02	12.72	12.43	12.08	12.15	12.61	13.76	14.78	15.45	16.40	16.75	13.82
1961	16.70	16.70	16.70	17.28	17.90	18.05	17.94	17.77	17.66	16.96	16.10	15.90	17.14
1962	15.77	16.22	17.01	17.35	17.58	17.65	17.50	17.50	17.50	18.40	19.75	20.67	17.74
1963	23.84	25.65	25.33	25.20	25.88	26.00	26.00	26.00	26.00	25.97	24.70	22.90	25.29
<u>Denver 1/</u>													
1959	23.20	21.65	21.30	21.12	20.93	20.62	20.35	18.95	19.04	18.80	18.50	18.40	20.23
1960	18.25	17.80	17.40	17.38	17.31	17.30	17.30	19.20	19.13	18.25	18.46	19.50	18.11
1961	19.78	20.10	20.61	20.75	20.96	21.25	21.10	21.10	21.10	20.68	20.50	20.20	20.68
1962	20.20	20.54	21.07	21.30	21.60	21.90	21.90	21.90	21.90	22.38	23.10	23.75	21.79
1963	24.76	26.00	25.55	26.56	27.60	28.00	28.90	29.50	29.50	29.50	28.15	26.90	27.58
<u>Los Angeles</u>													
1959	13.50	12.90	12.90	12.90	12.60	12.60	12.60	12.38	11.70	11.70	11.70	11.70	12.43
1960	11.70	11.70	11.40	11.40	11.40	11.40	11.55	12.48	12.90	13.20	13.94	14.30	12.28
1961	14.78	14.90	14.90	14.90	15.08	15.05	14.90	14.90	14.90	14.42	14.30	13.70	14.73
1962	13.70	13.85	14.45	14.90	15.26	15.50	15.50	15.50	15.50	15.98	16.70	17.20	15.34
1963	18.40	19.60	19.60	20.44	21.48	22.05	22.68	23.10	23.10	23.10	22.20	21.05	21.40
<u>Richmond</u>													
1959	13.50	12.90	12.90	12.90	12.60	12.60	12.60	12.38	11.70	11.70	11.70	11.70	12.43
1960	11.70	11.70	11.40	11.40	11.40	11.40	11.55	12.48	12.90	13.20	13.94	14.30	12.28
1961	14.78	14.90	14.90	14.90	15.25	15.20	14.90	14.90	14.90	14.42	14.30	13.80	14.76
1962	13.70	13.85	14.45	14.90	15.26	15.50	15.50	15.50	15.50	15.98	16.70	17.20	15.34
1963	18.40	19.60	19.60	20.44	21.48	22.05	22.68	23.10	23.10	23.10	22.20	21.05	21.40

1/ Price basis: tank truck and tank car.

Stockton

1959	.....: 13.50	12.90	12.90	12.90	12.60	12.60	12.60	12.38	11.70	11.70	11.70	11.70	11.70	11.70	11.70	11.70	12.43
1960	.....: 11.70	11.70	11.40	11.40	11.40	11.40	11.55	12.48	12.90	13.20	13.94	14.30	14.30	14.30	14.30	14.30	12.28
1961	.....: 14.78	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.90	14.42	14.30	14.30	14.30	14.30	14.30	14.30	14.70
1962	.....: 13.70	13.88	14.40	14.40	15.33	15.55	15.55	15.55	15.55	16.03	17.20	17.20	17.20	17.20	17.20	17.20	15.44
1963	1/.....: 18.47	19.65	19.65	20.43	21.56	22.15	22.76	23.15	23.15	23.15	22.30	22.30	22.30	22.30	21.12	21.12	21.46

Portland, Ore.-Seattle, Wash.

1959	.....: 13.50	12.90	12.90	12.90	12.60	12.60	12.60	12.38	11.70	11.70	11.70	11.70	11.70	11.70	11.70	11.70	12.43
1960	.....: 11.70	11.70	11.40	11.40	11.40	11.40	11.55	12.48	12.90	13.20	13.94	14.30	14.30	14.30	14.30	14.30	12.28
1961	.....: 14.78	14.90	14.90	14.90	15.26	15.20	14.90	14.90	14.90	14.42	14.30	14.30	14.30	14.30	14.30	14.30	14.75
1962	.....: 13.70	13.85	14.45	14.90	15.26	15.50	15.50	15.50	15.50	15.98	16.70	16.70	16.70	16.70	17.20	17.20	15.34
1963	.....: 18.40	19.60	19.60	20.44	21.48	22.05	22.68	23.10	23.10	23.10	22.20	22.20	22.20	22.20	21.05	21.05	21.40

1/ Price basis: Beginning April 1963 - tank car and tank truck.



Table 2.--Molasses, beet: Prices by months, f.o.b. tank car, 1959-63

Year	: Jan.	: Feb.	: Mar.	: Apr.	: May	: June	: July	: Aug.	: Sept.	: Oct.	: Nov.	: Dec.	: Av.
--Dollars per ton--													
Denver													
1959	30.00	30.00	30.00	30.00	30.00	30.00	30.00	31.50	29.00	26.12	27.50	27.37	29.29
1960	27.00	27.00	25.40	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	26.50	25.49
1961	27.00	28.16	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	27.93
1962	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	29.50	31.33	28.40
1963 <u>1</u>	32.00	32.00	32.00	34.00	34.75	35.50	37.80	39.00	39.00	39.00	39.00	39.00	36.09
Colorado, Wyoming and Montana (except Missoula)													
1959	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	31.25	30.50	30.50	31.68
1960	30.50	30.50	29.30	28.50	28.50	28.50	28.50	28.50	28.50	28.50	28.50	27.00	28.78
1961	26.50	26.50	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	28.58
1962	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	31.00	29.17
1963 <u>2</u>	31.00	31.00	31.00	31.00	31.00	31.00	31.00	33.00	35.00	38.20	39.00	39.00	33.43
Oregon, Utah, Idaho and Missoula, Montana													
1959	31.00	31.00	31.00	31.00	31.00	31.00	31.00	31.00	31.00	31.00	31.00	31.00	31.00
1960	31.00	31.00	31.00	31.00	31.00	31.00	31.00	31.00	31.00	31.00	31.00	31.00	31.00
1961	31.00	31.00	31.00	31.00	31.00	31.00	31.00	32.50	33.00	33.00	33.00	33.00	31.63
1962	33.00	33.00	33.00	33.00	33.00	33.00	33.00	33.00	33.00	33.00	33.00	33.00	33.00
1963	33.00	33.00	33.00	33.00	33.00	33.00	33.00	34.50	36.00	38.00	38.00	38.00	34.62
Minneapolis													
1959	32.00	31.63	31.13	30.60	30.50	30.50	30.50	29.00	27.90	28.00	28.00	28.00	29.81
1960	27.75	27.00	26.70	26.50	26.10	26.00	26.00	26.00	26.00	27.50	29.00	30.00	27.05
1961	30.10	30.00	30.00	30.50	31.00	31.00	31.00	31.00	31.00	31.00	31.00	31.00	30.72
1962	31.00	31.00	31.25	32.00	32.00	32.00	32.00	32.00	-	-	-	-	31.66
1963	-	-	-	-	-	-	-	-	-	-	-	-	-

1/ Price basis: tank truck and tank car.2/ Price basis: April 9 through August 14 - tank truck.

Table 3.--Molasses, citrus and corn (hydrol): Prices by months, f.o.b. tank car, 1959-63

Year	: Jan.	: Feb.	: Mar.	: Apr.	: May	: June	: July	: Aug.	: Sept.	: Oct.	: Nov.	: Dec.	: Av.
--Dollars per ton--													
Citrus molasses													
Florida Points													
1959	.....: 21.25	21.25	21.25	21.25	21.25	21.25	21.00	20.38	18.40	16.87	16.00	16.50	19.72
1960	.....: 16.50	16.50	16.50	16.50	16.50	17.00	17.50	17.80	19.00	19.00	19.00	20.00	17.65
1961	.....: 21.00	19.66	19.50	19.62	20.10	20.50	20.50	20.50	20.00	20.00	20.00	20.00	20.12
1962	.....: 20.00	20.00	19.37	19.38	18.90	19.13	18.90	17.50	17.50	19.00	18.00	18.33	18.83
1963	1/.....: 21.25	23.25	23.25	25.20	27.81	28.13	28.25	28.50	28.50	28.50	30.00	29.37	26.83
Corn (hydrol) molasses													
Chicago													
1959	.....: 22.19	22.75	22.75	22.45	22.25	21.90	21.69	21.46	19.45	18.75	18.25	18.25	21.01
1960	.....: 18.94	19.25	18.75	17.56	16.60	16.50	16.50	17.10	18.88	19.56	20.35	21.88	18.49
1961	.....: 22.85	23.08	23.50	24.00	24.65	25.44	26.88	27.00	26.50	25.30	24.75	24.25	24.85
1962	.....: 24.25	24.25	24.56	25.00	25.00	24.75	24.50	24.63	24.75	25.85	27.25	29.00	25.32
1963	.....: 32.40	36.38	36.38	35.10	34.25	34.75	35.20	37.50	37.87	38.60	37.63	35.69	35.98
Kansas City													
1959	.....: 22.87	23.00	23.00	22.80	22.97	23.00	22.63	22.50	21.00	20.31	19.68	19.50	21.93
1960	.....: 20.13	20.50	19.90	19.31	18.45	18.00	18.00	18.60	19.75	21.37	22.60	25.25	20.16
1961	.....: 26.00	26.50	26.75	27.31	29.15	29.75	31.00	31.00	31.00	29.40	28.38	28.00	28.69
1962	.....: 27.50	27.12	27.88	28.25	28.50	28.50	28.10	27.50	27.50	28.50	30.25	31.83	28.45
1963	.....: 35.30	39.63	39.88	38.70	38.00	38.25	39.50	40.50	40.50	40.50	39.75	38.37	39.07

1/ Nominal August through October.

Table 4.--Price comparisons between molasses and No. 2 yellow corn at  
New York, Chicago and Kansas City, 1954-63 <sup>1/</sup>

Year	New York			Chicago			Kansas City		
	Corn bu.	Molasses 6½ gal.	Differ- ence	Corn bu.	Molasses 6½ gal.	Differ- ence	Corn bu.	Molasses 6½ gal.	Differ- ence
	--Cents--								
1954...	185.7	77.2	+108.5	159.7	99.1	+60.6	159.2	116.7	+42.5
1955...	161.2	81.1	+80.1	141.4	98.5	+42.9	148.2	116.1	+32.1
1956...	169.8	109.5	+60.3	145.2	130.0	+15.2	149.7	136.4	+13.3
1957...	156.8	163.7	-6.9	129.2	199.3	-70.1	130.4	204.2	-73.8
1958...	156.3	115.0	+41.3	125.5	123.1	+2.4	120.0	127.4	-7.4
1959...	150.6	103.0	+47.6	122.5	107.1	+15.4	117.3	111.0	+6.3
1960...	143.8	89.0	+54.8	115.6	92.9	+22.7	113.6	103.1	+10.5
1961...	141.8	102.2	+39.6	113.1	112.7	+0.4	112.4	125.3	-12.9
1962...	142.0	102.6	+39.4	112.8	117.8	-5.0	115.0	129.5	-14.5
1963...	155.0	143.8	+11.2	126.0	170.8	-44.8	125.4	177.7	-52.3

#### MOLASSES AND CORN PRICES

The price relationship between molasses and corn was even less favorable for molasses in 1963 than in 1962. In fact, it was the least favorable it has been for any year since 1957. <sup>1/</sup>

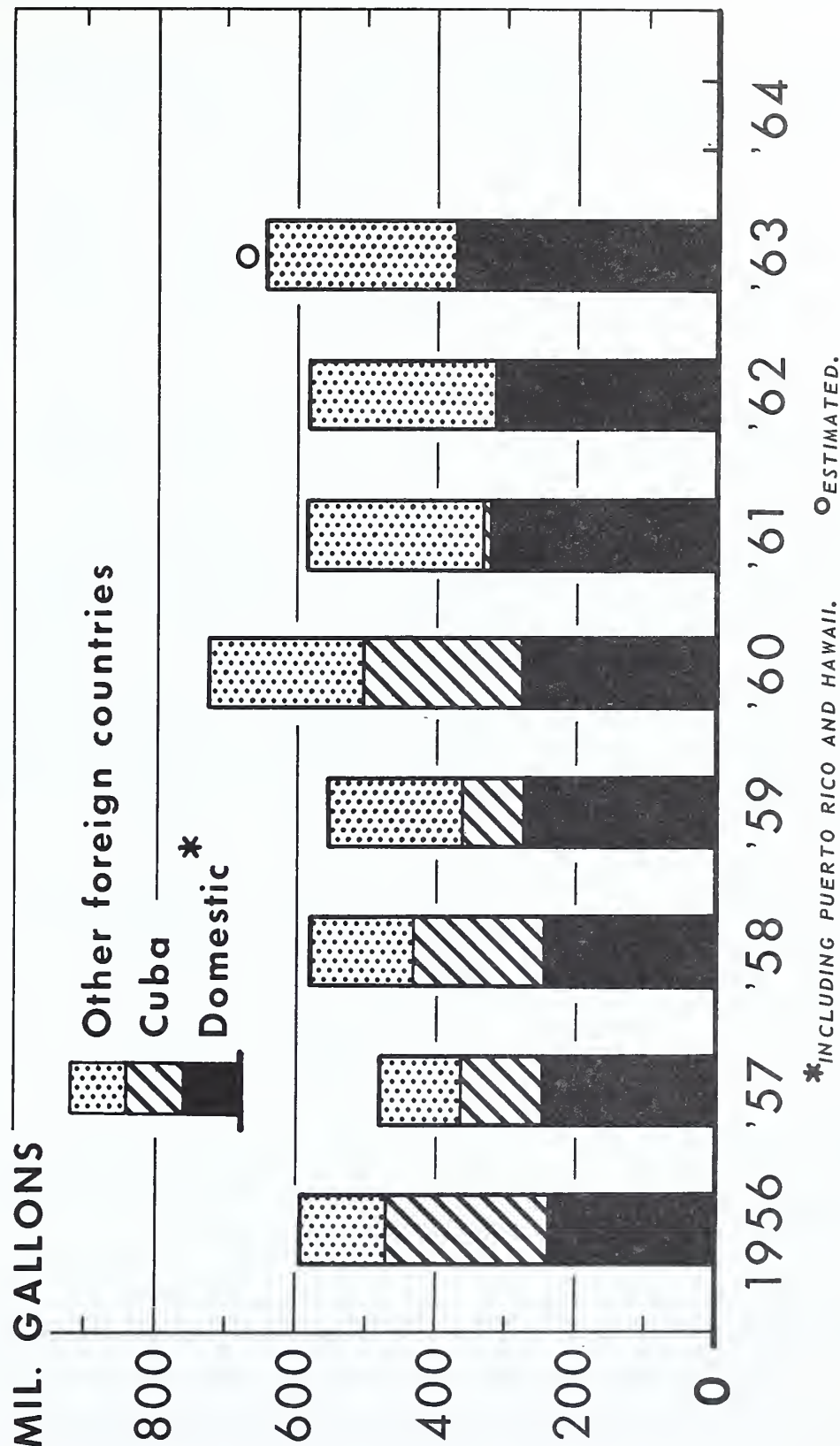
The cost of 6 1/2 gallons of molasses went up 41.2 cents in New York, 53 cents in Chicago, and 48.2 cents in Kansas City for 1963. At the same time, the cost of a bushel of corn advanced only 13 cents in New York, 13.2 cents in Chicago, and 10.4 cents in Kansas City.

Consequently, molasses costs for 1963 were 52.3 cents above corn in Kansas City, and 44.8 cents higher in Chicago, but were 11.2 cents less than the cost of corn in New York.

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<sup>1/</sup> A "rule of thumb" measure -- 6 1/2 gallons of molasses are about equivalent in carbohydrate value to one bushel of corn -- is widely used to compare the carbohydrate value of molasses and corn. This measure is based on experiments conducted to evaluate the energy produced from one bushel of corn and the amount of molasses required to produce the same amount of energy.

# MOLASSES SUPPLY BY MAJOR SOURCES



U. S. DEPARTMENT OF AGRICULTURE

NEG. AMS 497-64 (3) AGRICULTURAL MARKETING SERVICE

FIGURE 2



Table 6.--Feed and industrial molasses: Mainland production, inshipments, imports, and exports, 1952-63

Year	Mainland production						Offshore shipments to the mainland		
	Cane	Beet 1/	Refiners' black- strap	Citrus	Hydrol 2/	Total	Hawaii	Puerto Rico	Total
				--1,000 gallons--					
1952..	51,901	38,583	36,221	9,333	18,063	154,101	37,942	52,252	90,194
1953..	48,682	47,628	36,123	7,382	18,792	158,607	47,558	32,651	80,209
1954..	46,050	52,351	31,836	8,804	17,873	156,914	46,530	37,558	84,088
1955..	49,187	52,061	32,954	8,422	15,502	158,126	50,413	44,232	94,645
1956..	38,067	51,955	40,303	7,878	16,851	155,054	49,401	34,726	84,127
1957..	42,532	63,171	39,370	10,474	16,249	171,796	54,140	20,439	74,579
1958..	40,300	67,324	40,012	6,328	20,336	174,300	43,974	26,611	70,585
1959..	42,826	76,920	40,333	7,669	21,494	189,242	60,239	24,238	84,477
1960..	46,686	79,079	40,686	5,155	23,324	194,930	49,692	30,289	79,981
1961..	60,075	98,211	45,812	5,949	23,153	233,200	50,653	38,618	89,271
1962..	65,274	3/91,000	47,132	9,581	23,595	236,582	54,911	27,471	82,382
1963 3/	93,000	116,000	47,605	5,400	27,939	289,944	51,563	30,000	81,563
Year	U. S. imports					Total	Mainland exports 4/	Available supplies	
	Cuba	Dominican Republic	Mexico	Other					
				--1,000 gallons--					
1952..	186,676	27,946	21,547	59,952	296,121	897	539,519		
1953..	291,352	26,199	31,829	61,385	410,765	1,563	648,018		
1954..	202,940	23,516	37,810	76,142	340,408	4,843	576,567		
1955..	232,696	34,573	43,277	67,266	377,812	4,863	625,720		
1956..	232,329	31,652	29,820	58,288	352,089	879	590,391		
1957..	117,471	21,789	40,059	52,217	231,536	2,545	475,366		
1958..	188,428	24,761	46,539	74,580	334,308	2,166	577,027		
1959..	90,497	47,426	61,651	82,563	282,137	2,372	553,484		
1960..	228,643	62,281	75,635	83,087	449,646	3,032	721,525		
1961..	12,417	53,834	70,807	123,437	260,495	2,220	580,746		
1962..	3	51,705	63,987	148,368	264,063	2,265	3/580,762		
1963..	-	42,926	93,175	134,026	270,127	5,475	3/636,159		

1/ Year harvested basis.

2/ Prior to 1955 estimated by multiplying total domestic dextrose sales and exports by a constant, assuming 2.58 gallons of hydrol per 100 pounds of dextrose.

3/ Estimated.

4/ Do not include exports from Hawaii and Puerto Rico.

Source: Agricultural Stabilization and Conservation Service, Bureau of the Census, Florida Citrus Processors Association, Hawaiian Sugar Planters Association, and Price-Waterhouse and Company.



## SUPPLIES

Molasses supplies available for feed and industrial use in the Continental United States during 1963 were estimated at 636 million gallons. This was 55 million gallons, or about  $9\frac{1}{2}$  percent, more than the previous year. It also was the third largest supply on record, being exceeded only by 722 million gallons in 1960 and 648 million gallons in 1953.

Greater mainland production of molasses accounted for most of the overall increase in supplies. Mainland production comprised--for the first time on record--a larger percentage of total supplies than imports. Increasing mainland production and imports from foreign countries during the past 3 years have more than compensated for the loss of Cuba as a major source of molasses for the United States.

Although molasses supplies for 1963 were comparatively large, the quantity offered at times was relatively small. This holding tendency on the part of distributors was most evident during the first half of the year and reflected concern about the availability of supplies. Preliminary estimates of 1962 cane molasses production had been revised downward. Citrus molasses output was expected to be smaller due to freeze damage to orange and grapefruit crops in Florida. Too, the forecast called for smaller Hawaiian molasses production in 1963. Uncertainty about imports added further complications to the supply situation. Imports of molasses in 1962--although larger than 1961--were well below the 10-year average. Also, competition for world molasses supplies was expected to be much stiffer in 1963, particularly from Europe. However, offerings became more liberal the last 6 months of the year when the supply picture began to clear up. Imports kept pace with the previous year, and production of record cane and beet molasses crops seemed assured.

### Domestic Supplies

Nearly 372 million gallons of the total 1963 molasses supply came from domestic sources--290 million gallons from mainland production and 82 million gallons from Hawaii and Puerto Rico. Total mainland production was about 53 million gallons larger than in 1962. Large acreages devoted to sugarcane and sugar beets in 1963 point to continued high domestic production of molasses in 1964, barring unfavorable weather conditions.

Mainland mills produced an estimated 93 million gallons of cane molasses in 1963. This was 42 percent more than the previous year and reflected record sugarcane production in both Florida and Louisiana. With sugar beet production at an all-time high in 1963, output of beet molasses was estimated at a record 116 million gallons--25 million gallons more than the revised estimate of 91 million gallons produced in 1962. Refiners' blackstrap production, 47.6 million gallons, was only slightly larger, while output of almost 28 million gallons of hydrol molasses ran some 4 million gallons larger than in 1962. With the smaller citrus crop in Florida, production of citrus molasses dropped to about 5.4 million gallons or nearly 4.2 million gallons less than in 1962.

Hawaiian molasses production in 1963 was estimated at about 55 million gallons--2 million gallons less than in 1962. Shipments of some 51 million

gallons to the mainland ran about 3 million gallons below the previous year. Puerto Rico produced over 61 million gallons of molasses, or around 5.3 million more than the year before. Shipments to the United States went up about 2.5 million gallons and totaled around 30 million. At the same time, exports from Puerto Rico to other countries increased to nearly 16 million gallons in 1963, or almost 3 million gallons more than in 1962.

### Imports

Molasses imported into the Continental United States during 1963 totaled 270 million gallons. This was about 6 million gallons more than the previous year, but was still well below average for the past 10 years.

Mexico and the Dominican Republic remained this country's two largest foreign suppliers of molasses. Imports from Mexico increased about 29 million gallons in 1963, but shipments from the Dominican Republic were down almost 9 million gallons. Imports from all other foreign countries--although 14 million gallons less than in 1962--were the second largest for any year on record.

Imports from such normal suppliers as Jamaica, Barbados, Trinidad and Tobago, the French West Indies, British Guiana, The Netherlands, The Philippines, and Mauritius dropped substantially in 1963. Shipments from more recent suppliers such as India, Pakistan, the United Arab Republic (Egypt), and the Malagasy Republic also were lower than in 1962.

On the other hand, imports from Canada, Nicaragua, Ecuador, and Peru rose sharply in 1963. The most significant increase, however, was in imports from the Republic of South Africa which ran three times larger than in 1962. Another notable change from 1962 was the addition of Venezuela, Brazil, El Salvador, Australia, and Mozambique to the list of countries from which the United States imported molasses.

About 26 percent of the molasses imported into the United States during 1963 came through the New Orleans customs district. The percentage coming into the country through New York and Galveston--the other two major molasses importing customs districts--was 5 percent less than the previous year in New York but about the same in Galveston. Imports through the Massachusetts, Buffalo, Florida, Sabine, and San Francisco districts were notably smaller than in 1962, but most other customs districts handled more incoming molasses in 1963.

### Exports

The United States exported 21.4 million gallons of molasses in 1963--5.5 million gallons from the mainland and 15.9 million directly from Puerto Rico. Exports were about 40 percent larger than in 1962 and the largest since 1959. About three-fourths of total U. S. molasses exported went from Puerto Rico. Most of the balance was shipped from the mainland through the San Diego and Washington customs districts.

The United Kingdom--traditionally our largest customer--took about 42 percent of the molasses exported from the United States in 1963. Substantial quantities went to Canada and The Netherlands, but shipments ran sharply less than the previous year. Belgium and Luxembourg, West Germany, Ireland and Japan took a significant quantity for the first time.

Table 5.--Molasses: Production, exports and shipments to the Continental United States from principal supplying areas, 1947-63

Year	Cuba		Puerto Rico		Hawaii	
	Production:	Exports to	Production:	Shipments to	Shipments to U. S.	Exports to other
	<u>1</u> /	United States:	United States:	United States: countries:	mainland	countries
				--1,000 gallons--		
1947 .....	299,400	105,387	50,800	31,956	48,768	37,461
1948 .....	332,000	139,258	54,800	44,811	43,515	44,271
1949 .....	291,599	161,872	59,275	43,589	43,006	-
1950 .....	262,365	186,784	49,522	31,224	41,381	355
1951 .....	288,625	130,472	60,300	49,951	44,723	-
1952 .....	397,900	186,676	69,800	52,252	44,041	37,942
1953 .....	278,300	291,352	59,856	32,651	51,319	47,558
1954 .....	367,754	202,940	61,600	37,558	51,759	46,530
1955 .....	429,235	232,696	56,246	44,232	51,052	50,413
1956 .....	324,460	232,329	56,899	34,726	52,644	49,401
1957 .....	253,265	117,471	52,600	20,439	52,340	54,140
1958 .....	310,600	188,428	56,800	26,611	52,768	43,974
1959 .....	314,300	90,497	60,755	24,238	56,849	60,239
1960 .....	287,206	228,643	58,474	30,289	50,817	49,692
1961 .....	<u>2</u> /320,000	12,417	62,372	38,618	56,423	50,653
1962 .....	<u>2</u> /210,000	3	56,200	27,471	57,372	54,911
1963 <u>2</u> /...	180,000	0	61,548	30,000	55,373	51,563

1/ Includes 131.7 million gallons of high-test molasses in 1954, 231.5 million in 1955, 111.4 million in 1956, 79.6 million in 1958, 4.8 million each in 1959 and 1960, and an estimated 2 million in 1961.  
2/ Estimated.

Source: Bureau of the Census, Cuban Sugar Stabilization Institute, Association of Sugar Producers of Puerto Rico, California and Hawaiian Sugar Corporation, Ltd., and the Hawaiian Sugar Planters Association.

Table 7.--Molasses, inedible: U. S. imports by country of origin, 1959-63

Country of origin	1963	1962	1961	1960	1959
	--1,000 gallons--				
Canada .....	2,256	549	722	1,534	2,523
Mexico .....	93,175	63,987	70,807	75,635	61,651
British Honduras .....	390	391	214	771	503
Nicaragua .....	4,517	3,172	1,704	2,075	3,030
Cuba .....	-	3	12,417	228,643	90,497
Jamaica .....	17,317	21,753	17,313	22,335	10,170
Haiti .....	3,530	4,176	5,394	2,942	2,921
Dominican Republic .....	42,926	51,705	53,834	62,281	47,426
Leeward & Windward Islands .....	-	-	1,165	442	-
Barbados .....	4,398	5,532	2,331	4,523	2,395
Trinidad & Tobago .....	9,188	<u>1/</u> 10,988	6,395	2,690	7,358
French West Indies .....	6,511	8,053	8,805	4,568	2,530
British Guiana .....	3,570	<u>1/</u> 7,501	3,045	289	2,942
Ecuador .....	6,813	4,010	1,232	2,106	300
Peru .....	21,243	19,228	9,201	5,629	4,709
Venezuela .....	872	-	-	-	-
Brazil .....	1,833	-	-	-	-
El Salvador .....	1,286	-	-	-	-
United Kingdom .....	103	-	-	-	-
Netherlands .....	593	2,211	4,486	2,360	2,225
France .....	9,390	<u>1/</u> 9,319	23,927	5,244	9,348
Poland .....	-	-	-	978	-
Spain .....	-	-	-	-	6,793
Turkey .....	-	-	-	5,585	-
Rumania .....	-	-	8,886	4,660	-
India .....	1,426	4,518	-	-	4,488
Pakistan .....	-	1,774	-	-	1,197
Indonesia .....	-	-	4,065	2,276	2,207
Philippines .....	11,858	15,625	7,165	6,406	5,708
Taiwan (Formosa) .....	-	719	590	5,674	11,216
Australia .....	1,767	-	-	-	-
UAR (Egypt) .....	-	8,533	1,822	-	-
Mauritius .....	7,567	13,353	7,476	-	-
Mozambique .....	2,008	-	-	-	-
Malagasy Republic .....	-	1,613	1,564	-	-
Republic of South Africa .....	15,590	5,350	5,935	-	-
Total .....	270,127	<u>1/</u> 264,063	260,495	449,646	282,137

1/ Revised.

Source: Bureau of the Census

Table 8.--Molasses, inedible: U. S. exports by country of destination, 1959-63 1/

Country	1963	1962	1961	1960	1959
	--1,000 gallons--				
Canada .....	3,726	6,939	4,440	3,050	2,113
Iceland .....	149	170	30	-	19
United Kingdom .....	8,886	575	5,916	11,729	13,833
Ireland .....	760	3	4	-	-
Netherlands .....	2,384	7,489	-	3,411	3,408
Belgium & Luxembourg .....	2,411	-	-	-	1,613
France .....	-	-	4	-	8,160
West Germany .....	2,102	-	-	-	-
India .....	118	-	1	-	-
Japan .....	813	1	-	-	-
Republic of South Africa .....	34	47	-	-	-
Other .....	15	55	49	4	236
Total .....	21,398	15,279	10,444	18,194	29,382

1/ Includes exports from Hawaii and Puerto Rico.

Source: Bureau of the Census



Table 9.--Molasses, inedible: U. S. imports by customs districts, 1959-63

Customs districts	1963	1962	1961	1960	1959
	--1,000 gallons--				
Maine and New Hampshire .....	406	133	75	35	34
Vermont .....	466	45	-	7	-
Massachusetts .....	2,617	3,474	2,309	4,788	2,196
Connecticut .....	6,402	3,779	14,683	12,582	9,598
St. Lawrence .....	-	-	-	549	-
Buffalo .....	3,493	4,100	2,045	6,204	6,968
New York .....	43,045	<u>1/</u> 54,680	66,606	57,282	43,783
Philadelphia .....	10,316	7,658	5,539	111,702	20,898
Maryland .....	19,361	14,659	14,260	15,813	8,966
Virginia .....	4,897	3,408	4,030	3,359	4,373
North Carolina .....	3,460	2,749	4,716	4,212	5,301
Georgia .....	3,365	-	1,264	3,180	2,534
Florida .....	3,423	3,804	7,401	7,172	1,904
Mobile .....	9,193	8,405	5,580	16,204	17,628
New Orleans .....	70,885	70,344	54,895	115,918	89,309
Sabine .....	1,582	2,168	1,951	1,841	1,592
Galveston .....	35,567	<u>1/</u> 35,140	26,743	33,211	31,671
Laredo .....	79	102	1,427	2,272	1,892
El Paso .....	7,173	7,165	6,479	6,817	3,944
Arizona .....	3,381	3,751	3,660	5,567	1,711
Los Angeles .....	18,936	18,632	22,720	26,553	14,736
San Diego .....	6,624	4,655	-	-	-
San Francisco .....	8,919	11,579	7,852	10,360	7,662
Montana and Idaho .....	-	10	-	2	80
Dakota .....	817	7	-	155	431
Duluth and Superior .....	208	-	-	-	84
Michigan .....	19	206	-	-	8
Ohio .....	5,493	3,410	6,260	3,827	4,834
Oregon .....	-	-	-	34	-
Total .....	270,127	<u>1/</u> 264,063	260,495	449,646	282,137

1/ Revised.

Source: Bureau of the Census

Table 10.--Molasses, inedible: U. S. exports by customs districts, 1959-63

Customs districts	1963	1962	1961	1960	1959
	--1,000 gallons--				
Puerto Rico .....	15,923	13,014	8,224	15,162	19,239
St. Lawrence .....	-	-	33	7	-
Massachusetts .....	145	-	-	-	-
Buffalo .....	-	12	79	3	-
New York .....	169	222	58	-	23
Florida .....	-	-	-	561	-
Michigan .....	99	168	232	74	26
Dakota .....	-	3	-	12	15
Montana and Idaho .....	-	7	48	110	7
Laredo .....	1	12	19	-	-
San Diego .....	3,140	36	3	4	-
San Francisco .....	188	1	-	-	-
Washington .....	1,729	1,798	1,740	2,261	1,696
Hawaii .....	-	-	-	-	7,771
Other .....	4	6	8	-	605
Total .....	21,398	15,279	10,444	18,194	29,382

Source: Bureau of the Census



Table 11.--Molasses: Estimated utilization, United States, 1952-63

Year	Industrial				Mixed feeds,		Total utili- zation
	: Distilled:	Yeast, :	Pharmaceuti- :	:	: direct feed-:	:	
	: spirits	: citric acid:	: cals and edi-:	: Total	: ing and	:	
	: <u>1/</u>	: and vinegar:	: ble molasses :	:	: silage <u>2/</u>	:	
--Million gallons--							
1952.....:	169.2	53.0	7.0	229.2	310.3	539.5	
1953.....:	208.4	55.0	8.0	271.4	376.6	648.0	
1954.....:	87.8	60.0	10.0	157.8	418.8	576.6	
1955.....:	121.3	65.0	12.0	198.3	427.4	625.7	
1956.....:	111.9	70.0	14.0	195.9	394.5	590.4	
1957.....:	59.2	70.0	14.0	143.2	332.2	475.4	
1958.....:	61.7	70.0	15.0	146.7	430.3	577.0	
1959.....:	35.3	71.0	15.0	121.3	432.2	553.5	
1960.....:	69.0	74.0	<u>3/</u> 37.0	180.0	541.5	721.5	
1961.....:	8.5	70.4	47.1	126.0	454.7	580.7	
1962.....:	5.7	79.8	38.7	124.2	456.6	580.8	
1963 <u>4/</u> .....:	5.0	92.0	47.5	144.5	491.7	636.2	

1/ Includes molasses used in making ethyl alcohol, butyl and acetone prior to 1959, and molasses used in distillation in Puerto Rico.

2/ Molasses utilized in feeds is a residual item, calculated by subtracting molasses used industrially from total mainland supplies without considering changes in stocks.

3/ Pharmaceutical utilization not considered prior to 1960.

4/ Estimated.

#### UTILIZATION

Molasses available for feed and industrial use in the United States in 1963 was estimated at 636 million gallons. This was  $9\frac{1}{2}$  percent more than in 1962, and the third largest of record.

Molasses used in the United States and Puerto Rico for the production of alcohol and distilled spirits during 1963 declined to about 5 million gallons--some 700,000 gallons less than the previous year and the least for any year on record.

Manufacturers of yeast, citric acid, and vinegar used an estimated 92 million gallons of molasses, or about 12 million more than in 1962. Molasses used in the manufacture of pharmaceuticals and edible molasses increased to an estimated 47.5 million gallons. This was about 8.8 million more than a year earlier.

The quantity of molasses remaining for livestock feeding and mixed feeds stood at nearly 492 million gallons--35 million gallons more than in 1962. This does not take into consideration, however, the quantity of molasses in stocks. Therefore, the actual quantity of molasses used for feed may vary considerably from the amount available for this purpose.

Table 12.--Molasses used in the production of alcohol and distilled spirits,  
United States and Puerto Rico, by months, 1959-63

Month	:	1963	:	1962	:	1961	:	1960	:	1959
	:					--1,000 gallons--				
January	.....:	288		239		1,031		2,356		3,162
February	.....:	395		1,250		1,114		684		3,621
March	.....:	282		476		1,626		4,083		4,573
April	.....:	684		1,303		2,087		8,679		4,903
May	.....:	1,258		168		881		8,229		5,200
June	.....:	258		105		319		7,978		4,549
July	.....:	137		640		125		6,819		1,751
August	.....:	393		330		226		5,053		1,844
September	....:	757		286		255		3,366		1,677
October	.....:	235		235		210		1,355		1,642
November	.....:	157		456		394		1,302		801
December	<u>1</u> /...:	156		249		198		764		1,600
	:									
Total	.....:	5,000		5,737		8,466		50,668		35,323

1/ Estimated.

Source: Internal Revenue Service

UNITED STATES DEPARTMENT OF AGRICULTURE

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